



Fields of Opportunities

# STATE OF IOWA

THOMAS J. VILSACK, GOVERNOR  
SALLY J. PEDERSON, LT. GOVERNOR

DEPARTMENT OF NATURAL RESOURCES  
JEFFREY R. VONK, DIRECTOR

**CERTIFIED MAIL**  
**(7004 1350 0005 2763 3433)**

January 31, 2006

Toby Shine  
Shine Bros. Corporation  
528 East Park Street  
Spencer, IA 51301

SUBJECT: Storm Water Complaint Investigation/Compliance Inspection  
Compliant # 06-012  
NPDES Permit # 3688-3521

Dear Mr. Shine:

Attached is a copy of the report resulting from the storm water complaint investigation and compliance inspection on January 26, 2006. Your attention is directed to the summary portion of this report.

The following actions are required to comply with Subrule 567 IAC 64.3(1):

1. Remove wire insulation from City property within 15 days of the receipt of this report.
2. Respond in writing to the Spencer Field Office within 30 days of the receipt of this report, describing what measures the Shine Bros. Corporation will take to eliminate the discharge of wire insulation off the property.
3. Incorporate new storm water management practices into SWPPP.

If you have any questions, or feel this report does not represent the conditions at your facility, please call me at 712/262-4177.

Sincerely,

Tom Roos, Environmental Specialist  
toni.roos@dnr.state.ia.us  
Field Services and Compliance Bureau

TR:lw

c: -Wayne Gieselmann, ESD, DNR, Des Moines, Jeff Vonk, DNR, Des Moines  
-Joe Griffin, WWS, WQB, EPD, DNR, Des Moines, Complainant

enc: -Inspection Report  
-Aerial Photograph  
-Photos of Investigation  
-Subrule 567 IAC 64.3(1)

stw06/21sh0131-ins.doc

**IOWA DEPARTMENT OF NATURAL RESOURCES  
ENVIRONMENTAL SERVICES DIVISION – Field Office #3**

**NPDES General Permit #1 Inspection Report**

**For Industrial Activities**

Facility Name: Shine Bros. Corp. NPDES No.: 3688-3521 Permit Issued: 06/29/98 Valid Through: 10/01/07	Owner: Shine Bros. Corp 528 East Park Street Spencer, IA 51301 Primary Contact: Toby Shine Phone Number: (712) 262-5579	Persons Interviewed: Toby Shine
<b>Type of Inspection</b> <input type="checkbox"/> Routine Compliance Inspection <input type="checkbox"/> Follow-Up Compliance Inspection <input checked="" type="checkbox"/> Complaint Investigation <input type="checkbox"/> Site Visit	Inspection Date: 01/26/06 Inspection Time: 1:30 PM Previous Inspection: None Site Location: T92N, Sec 18, R36W	Inspection Weather: Clear, 43 F Recent Rainfall: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Comments: Snow was melting at time of inspection

The following items are required to comply with Subrule 567 IAC 64.3(1): Refer to Storm Water General Permit #1

"C" means the requirement is "in compliance." "NC" means the requirement is "not in compliance." "NA" means that the requirement is "not applicable."

	C	NC	NA
<b>Part III.C. of General Permit #1</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
1. NOI is complete, PPP was completed prior to submittal of NOI, proof of public notice.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
2. Plan is signed in accordance with Part VI.G and is retained on site	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
3. The plan has been amended based on changes in design, construction, operation or maintenance or if PPP proved to be ineffective.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
4. Pollution Prevention Plan includes the following:			
<b>A. Description of Potential Pollutant Sources</b>			
(1). Site map (drainage area, stormwater outfalls, existing structural controls, surface water bodies)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2). Narrative description of materials that have been treated, stored or disposed, in a manner to allow exposure to storm water during 3 years prior to discharge authorization, method and location of storage or disposal, and management practices to minimize contact with water.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3). List of releases which prompted the existence of a hazardous condition	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4). For each area of the plant with potential to contain pollutants, the direction of flow and type of pollutant present	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(5). Summary of existing sampling data	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>B. Storm Water Management Controls</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(1). Responsible person identified	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2). Risk identification and assessment / materials inventory: include an inventory of the types of materials handled, quantity of the chemical used, potential for contact with stormwater, history of "hazardous condition reporting" (including SARA Title III chemicals)			
a) loading and unloading operations			
b) outdoor storage activities			
c) outdoor manufacturing or processing activities			
d) dust or particulate generating processes			
e) on-site waste disposal practices	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3). Preventive maintenance	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(4). Good housekeeping	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(5). Spill prevention and response procedures	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(6). Storm water management	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(7). Sediment and erosion prevention	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(8). Employee training (including dates of periodic training)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(9). Record keeping and internal reporting procedures	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
(10). Non-storm discharges: certification of testing	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
<b>C. Visual Inspection: no less than once a year.</b>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(1). Material handling areas and other areas identified in the PPP	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(2). Based on results of inspection, plan must be revised within 2 weeks	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
(3). Report summarizing inspection must be signed and retained for at least 3 years (included date, inspector, observations, action taken)	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Facility Name: Shine Bros. Corp.  
 NPDES #: 3688-3521  
 Inspection Date: 01/26/06

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	C	NC	NA
<b>Part III.C. of General Permit #1 Continued</b>			
<b>D. Special Requirements for Storm Water Discharges Through Municipal Separated Storm Sewer Systems.</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>E. Consistency with Other Plans</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>F. Additional Requirements for Storm Water Discharges From Facilities Subject to SARA Title III Section 313 Requirements</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>G. Salt Storage</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>H. Non-Storm Water Discharges</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Part IV. of General Permit #1</b>			
<b>Numeric Effluent Limitations: Coal Pile Runoff</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>Part V. of General Permit #1</b>			
<b>A. Failure to Certify:</b> if certification was not provided under Part III.C.4(B)(10).	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>B. Monitoring Requirements:</b> see general permit #1 for specific facilities that have specific monitoring requirements.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>C. Noncompliance Reporting</b>	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>D. Reporting</b>			
1. For permittees subject to <u>Numeric Effluent Limitations</u> , must submit signed copies of discharge monitoring results within 30 days after sampling occurred.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
2. All sampling results must be retained on site.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
3. Additional Notification: if discharging through a municipal separate storm sewer system, signed monitoring results must be submitted to the operator of the municipal system.	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
<b>E. Retention of Records:</b> Storm water permit, monitoring records, copies of all reports required by the permit, and records of all data used to prepare the NOI must be retained on site for at least 3 years.	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Facility Name: Shine Bros. Corp  
NPDES #: 3688-3521  
Inspection Date: 01/26/06

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### Summary

#### COMMENT (S):

The Shine Bros. Corporation specializes in processing insulated wire and cable, non-ferrous metals, and ferrous scrap. The Storm Water Pollution Prevention Plan (SWPPP) at this facility has been drafted by CPI Environmental Services of Glen Ellyn, Illinois. Upon review of SWPPP, it was determined that the document contained all the required information as specified in NPDES General Permit #1.

As indicated in the SWPPP, storm water is conveyed in two directions on the Shine Bros. property. Storm water generated on the South and West sides of the property is directed along a railroad track to one of two non-discharging storm water retention basins. During my interview with Mr. Shine, he indicated that he has never had a problem with sufficient storage capacity in the basins. The North and East sides of the property surface discharge through a City owned park to "Pete's Pond", located within the park. In addition with the discharge from the Shine Bros. property, this pond receives storm water from City streets. Along the South side of the Shine Bros. property, adjacent to the Little Sioux River, a berm has been created with woodchips and soil adjacent to the Little Sioux River. Although storm water does not flow this direction Mr. Shine created this structure as added protection for the river. During the inspection, there was no visible sign of any pollutant entering the Little Sioux River.

Storm Water inspections have been conducted by Mr. Shine's staff and the environmental consultant on an annual basis as required by the facility's NPDES Storm Water Permit. Over the past years these inspection have identified new equipment, processes and structures such as above ground storage tanks, which have been added to the facility. These inspections have also identified mitigative actions taken by the facility to improve the storm water discharge. This facility is classified under SIC 5093 (Scrap and Waste Materials), therefore, no discharge sampling is required by permit.

During the visual inspection of the property there were no apparent spills or excessive fluid leaks from equipment or raw materials. The waterway through the City park that carries storm water from the North and East side of the property contains an excessive amount of wire insulation. This insulation appeared to have originated from an insulation stock pile located just inside the Shine Bros. property. As stated in the facility's NPDES General Permit No. 1 (Part III A) "All discharges covered in this permit shall be composed of entirely storm water." Enclosed is an aerial photograph pointing out the two areas, labeled "A" and "B", where wire insulation has left the property via storm water.

#### REQUIRED ACTION (S): The following actions are required to comply with Subrule 567 IAC 64.3(1):

1. Remove wire insulation from City property within 15 days of the receipt of this report.
2. Respond in writing to the Spencer Field Office within 30 days of the receipt of this report, describing what measures the Shine Bros. Corporation will take to eliminate the discharge of wire insulation off the property.
3. Incorporate new storm water management practices into SWPPP.

Inspector Signature: <u>Tom Roos</u> Tom Roos	Date: 1/31/06
Reviewer Signature: <u>Ken Hessenius</u> Ken Hessenius	Date: 1/31/06